

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1-7. (Cancelled).

8. (Previously Presented) A terminal device, comprising:

a first interface configured to carry out at least a packet transmission with respect to a first network which is a radio network according to IEEE 802.11;

a second interface configured to carry out packet transmission and reception with respect to a second network which is a radio network slower than the first network; and

a control unit configured to carry out communications with another terminal through the second interface so as to carry out a prescribed procedure required in using the another terminal as a receiving side in the first network, and transmit a prescribed information to the first network on behalf of the another terminal, the prescribed information being an information to be transmitted to the first network by the another terminal, the another terminal having no transmission function with respect to the first network,

wherein the control unit also receives a packet transmission request with respect to the first network from the another terminal through the second interface through the second network, the prescribed procedure being initiated by the packet transmission request transmitted by the another terminal, and

wherein the control unit also transmits through the first network another packet transmission request corresponding to the packet transmission request received from the another terminal and requesting packet transmission from a source terminal being directly connected to the first network to the terminal device, when the source terminal is indicated in the packet transmission request received from the another terminal, receives through the first network packets corresponding to the another packet transmission request and transmitted from the source terminal, and transfers the packets received from the source terminal to the another terminal through the first interface through the first network.

9. (Original) The terminal device of claim 8, wherein the control unit also receives an interface address of an interface of the another terminal for carrying out a packet reception through the first network, from the another terminal through the second interface, and transmits the packets through the first interface towards the interface address received from the another terminal.

10. (Original) The terminal device of claim 8, wherein the control unit also receives an authentication/admission request with respect to the first network from the another terminal through the second interface, and carries out an authentication/admission processing with respect to the first network through the first interface on behalf of the another terminal, according to the authentication/admission request received from the another terminal.

11. (Canceled).

12. (Canceled).

13. (Original) The terminal device of claim 8, wherein the control unit also receives a resource acquisition request with respect to the first network from the another terminal, and carries out a resource acquisition processing on the first network according to the resource acquisition request received from the another terminal.

14. (Previously Presented) The terminal device of claim 8, wherein the control unit also judges whether a packet received from the another terminal through the second interface contains a control information for the first network, and carries out a processing corresponding to the control information with respect to the first network when the packet received from the another terminal contains the control information.

15. (Original) The terminal device of claim 14, wherein the control unit also stores a correspondence between a first interface address and a second interface address of each terminal existing on the first network, the first interface address being an address of an interface of each terminal for carrying out a packet reception through the first network and the second interface address being an address of an interface of each terminal for carrying out

packet transmission and reception through the second network, and judges whether the packet received from the another terminal through the second interface contains the control information for the first network or not according to whether an interface address of a source terminal specified in the packet received from the another terminal coincides with any of first interface addresses stored therein.

16. (Original) The terminal device of claim 8, wherein the control unit also transmits an acknowledge packet to be transmitted to the first network when the another terminal received the packets through the first network, on behalf of the another terminal.

17. (Original) The terminal device of claim 16, wherein the control unit also stores a correspondence between a first interface address and a second interface address of each terminal existing on the first network, the first interface address being an address of an interface of each terminal for carrying out a packet reception through the first network and the second interface address being an address of an interface of each terminal for carrying out packet transmission and reception through the second network, and determines whether or not to transmit the acknowledge packet according to correspondences stored therein.

18. (Original) The terminal device of claim 8, wherein the control unit also stores a correspondence between a first interface address and a second interface address of the another terminal, the first interface address being an address of an interface of the another terminal for carrying out a packet reception through the first network and the second interface address being an address of an interface of the another terminal for carrying out packet transmission and reception through the second network.

19. (Original) The terminal device of claim 8, further comprising;  
a third interface configured to carry out packet transmission and reception with respect to a third network different from the first and second networks;  
wherein the control unit also sets up a packet transfer route between the first interface and the third interface within own terminal according to a prescribed control information received from the another terminal through the second interface.

20. (Previously Presented) The terminal device of claim 19, wherein the control unit also judges whether other packets received through the third interface should be relayed to the first interface or to the second interface, according to whether the packet transfer route within the own terminal is already set up.

21. (Currently Amended) A terminal device, comprising:

a first interface configured to carry out at least a packet reception with respect to a first network which is a radio network according to IEEE 802.11, the terminal device having no transmission function with respect to the first network;

a second interface configured to carry out packet transmission and reception with respect to a second network which is a radio network slower than the first network; and

a control unit configured to carry out communications with another terminal through the second interface so as to carry out a prescribed procedure required in using the terminal device as a receiving side in the first network, such that the another terminal transmits a prescribed information to the first network on behalf of the terminal device, the prescribed information being an information to be transmitted to the first network by the terminal device, and such that the another terminal receives a packet transmission request with respect to the first network from the terminal device through the second network, the prescribed procedure being initiated by the packet transmission request transmitted by the terminal device, transmits through the first network another packet transmission request corresponding to the packet transmission request received from the terminal device and requesting packet transmission from a source terminal being directly connected to the first network to the another terminal through the first network when the source terminal is indicated in the packet transmission request received from the ~~own~~ terminal device, receives through the first network packets corresponding to the another packet transmission request and transmitted from the source terminal, and transfers the packets to the ~~own~~ terminal device through the first network.

22. (Original) The terminal device of claim 21, wherein the control unit notifies an interface address of the first interface to the another terminal through the second interface.

23. (Original) The terminal device of claim 21, wherein the control unit transmits an authentication/admission request with respect to the first network to the another terminal through the second interface, and exchanges information necessary in carrying out an authentication/admission processing according to the authentication/admission request with the another terminal through the second interface.

24. (Previously Presented) The terminal device of claim 21, wherein the control unit also attaches an information indicating that a control information for the first network is contained, to a packet to be transmitted through the second interface.

25 - 36 (Cancelled).